

1R – 427-9

**GENERAL
CORRESPONDENCE**

**DATE:
2008-2010**

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Tuesday, August 12, 2008 4:35 PM
To: 'Hack Conder'
Cc: Price, Wayne, EMNRD; 'Marvin Burrows'
Subject: Workplans for 1R427-09, 1R426-09, 1R428-76, and 1R427-172

Dear Mr. Conder:

The New Mexico Oil Conservation Division (OCD) has determined after reviewing your Notification of Groundwater Impact for each of the following four sites:

- 1) Rice EME L-6 Boot
Unit L, Section 6, T20S, R37E
Lea County, New Mexico
OCD Case #1R0427-09
- 2) Rice BD H-19
Unit H, Section 19, T21S, R37
Lea County, New Mexico
OCD Case #1R0426-09
- 3) Rice Hobbs Jct. M-4
Unit M, Section 4, T19S, R38E
Lea County, New Mexico
OCD Case #1R0428-76
- 4) Rice EME Gaither Boot
Unit I, Section 34, T19S, R36E
Lea County, New Mexico
OCD Case #1R0427-172

that the Rice Operating Company (ROC) must submit for each of the four sites a separate corrective action workplan in accordance with OCD Rule 116 (19.15.3.116 NMAC) to remediate the ground water contamination at each of these sites. The workplans must include a schedule for immediate implementation of groundwater remediation and source control. The workplans must be submitted to the OCD Santa Fe Office within 30 days.

Specifically, the workplan for the Rice EME L-6 Boot site must include that an estimation of the chloride mass that has contaminated the groundwater by the release at the Rice EME L-6 Boot Site and a plan for the removal of that chloride mass from the groundwater. An existing groundwater monitoring well may be used for this purpose. Also, please propose a treatment and / or disposal method for that chloride mass.

Also, for the Rice EME Gaither Boot additional site investigation must be performed at the site; i.e., an upgradient groundwater monitoring well must be installed at the site to determine the regional background groundwater quality. If the background quality is similar to the downgradient well sample results, then the workplan must include that an estimation of the chloride mass that has contaminated the

groundwater by the release at the Rice EME Gaither Boot Site and a plan for the removal of that chloride mass from the groundwater. An existing groundwater monitoring well may be used for this purpose. Also, please propose a treatment and / or disposal method for that chloride mass. *[However, if the background quality is not similar to the downgradient well sample results, then an Abatement Plan may be required. Therefore, please submit the analytical results for the upgradient well to the OCD prior to submitting the workplan. Additional time for submittal of the workplan for this site may be requested.]*

ROC should submit one paper copy and an electronic copy on CD for each of the workplans and for all future workplans and/or reports for each of the sites. Please be sure to include the current corresponding OCD Case # on each of the respective workplans. If you have any questions regarding this matter, please call me at (505) 476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau

RICE Operating Company

122 West Taylor • Hobbs, NM 88240
Phone: (505) 393-9174 • Fax: (505) 397-1471

RECEIVED

2008 JAN 25 PM 12 05

CERTIFIED MAIL**RETURN RECEIPT NO. 7005 1820 0001 6802 1821**

/R-427-09

Gen. Cor.

2008-2010

January 21, 2008

Mr. Wayne Price
New Mexico Energy, Minerals, & Natural Resources
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: NOTIFICATION OF GROUNDWATER IMPACT
EME L-6 boot Site, #1R0427-09
Unit 'L', Sec. 6, T20S, R37E

Mr. Price:

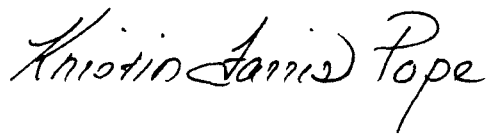
Rice Operating Company (ROC) notifies the Director of the New Mexico Oil Conservation Division (OCD), Environmental Bureau of groundwater impact at the above-referenced site in accordance with NM Rule 116. The remediation of this site may be subject to NM Rule 19 procedures.

The following work was performed in accordance with the OCD-approved (verbal 7/18/2007) Investigation and Characterization Plan (ICP) submitted by the consulting company, Trident Environmental (Trident), to investigate potential groundwater concerns at this junction box site near Monument. A soil boring for vertical delineation of chloride and three 2-inch monitoring well installations were conducted October 29 and 31, 2007 under the supervision of Gilbert Van Deventer of Trident. Groundwater was encountered at 33 feet. The wells were developed and sampled pursuant to OCD guidelines by Arc Environmental (Arc) of Lovington. Laboratory analysis of the groundwater samples confirmed the Water Quality Control Commission standards for chloride and Total Dissolved Solids (TDS) are exceeded at all 3 monitoring wells. Arc will continue to sample the wells on a quarterly basis. Trident will be evaluating this groundwater data and investigating regional groundwater information in preparation for the submission of a Corrective Action Plan. Chloride and TDS concentrations are known to be elevated on a regional scale in this area near Monument.

ROC is the service provider (agent) for the EME Salt Water Disposal System and has no ownership of any portion of the pipelines, wells, or facilities. The EME System is owned by a consortium of oil producers, System Partners, who provide all operating capital on a percentage ownership/usage basis. Environmental remediation projects of this magnitude require System Partner AFE approval and work begins as funds are received.

Please accept this notification for the above-referenced site. Should you have any questions or concerns regarding this site, please do not hesitate to contact me.

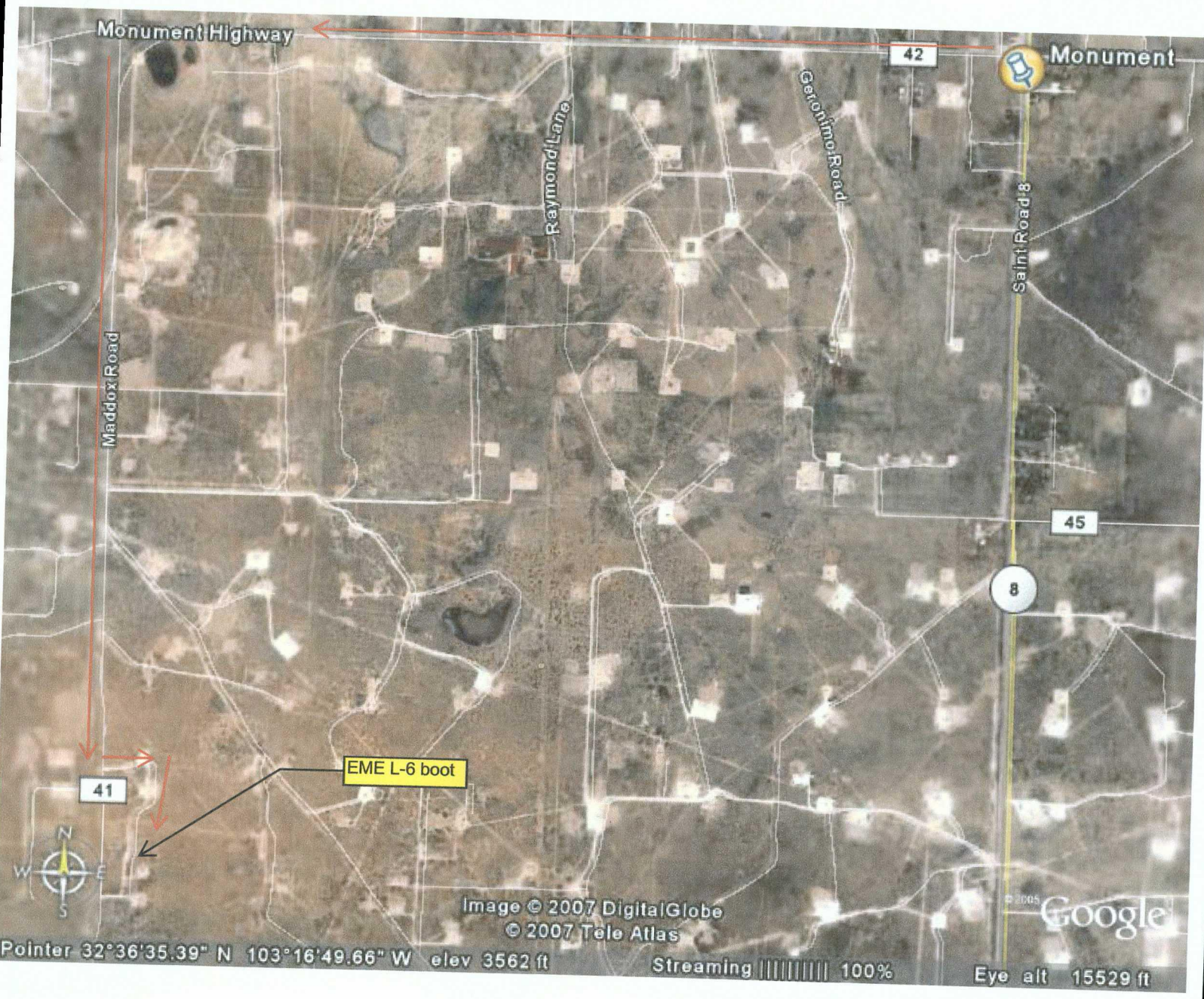
RICE OPERATING COMPANY

A handwritten signature in black ink that reads "Kristin Farris Pope". The signature is written in a cursive, flowing style.

Kristin Farris Pope
Project Scientist

enclosures: water analysis, well logs, area map, survey map

cc: SC, Trident, file, Mr. Chris Williams
NMOCD, District 1 Office
1625 N. French Drive
Hobbs, NM 88240



Monument Highway

42

Monument

Raymond Lane

Geronimo Road

Saint Road 8

Maddox Road

45

8

41

EME L-6 boot



Image © 2007 DigitalGlobe
© 2007 Tele Atlas

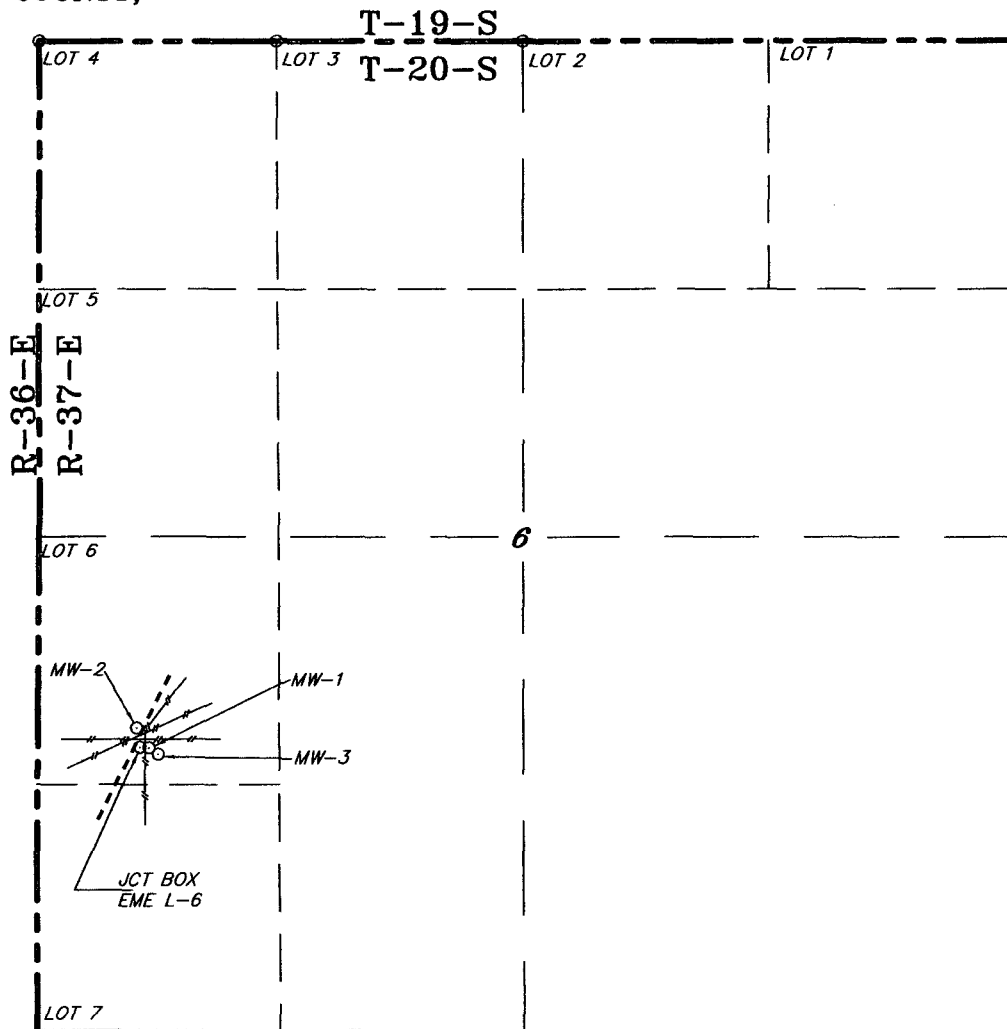
Google

Pointer 32°36'35.39" N 103°16'49.66" W elev 3562 ft

Streaming 100%

Eye alt 15529 ft

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

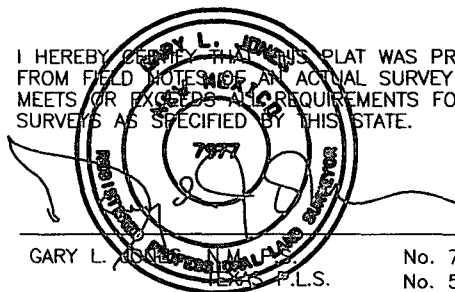


NOTE:
ELEVATIONS ARE ON BLACK MARK
ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NAD83)

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV. PVC	ELEV. CON.	ELEV. GRND
MW-1	583323.4	860367.7	N 32°35'57.6"	W 103°17'50.6"	3570.67'	3568.14'	3567.97'
MW-2	583429.3	860302.8	N 32°35'58.7"	W 103°17'51.4"	3568.58'	3566.32'	3566.12'
MW-3	583289.3	860416.5	N 32°35'57.3"	W 103°17'50.0"	3570.94'	3568.44'	3567.43'
EME L-6	583326.7	860318.8	N 32°35'57.6"	W 103°17'51.2"	3532.06'	3529.85'	3529.68'

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED
FROM FIELD NOTES OF AN ACTUAL SURVEY AND
MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND
SURVEYS AS SPECIFIED BY THIS STATE.



GARY L. JONES No. 7977
P.L.S. No. 5074

1000 0 1000 2000 FEET

RICE OPERATING COMPANY

REF: EME L-6 BOOT

MONITOR WELL LOCATED IN
SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 18860

Drawn By: James Presley

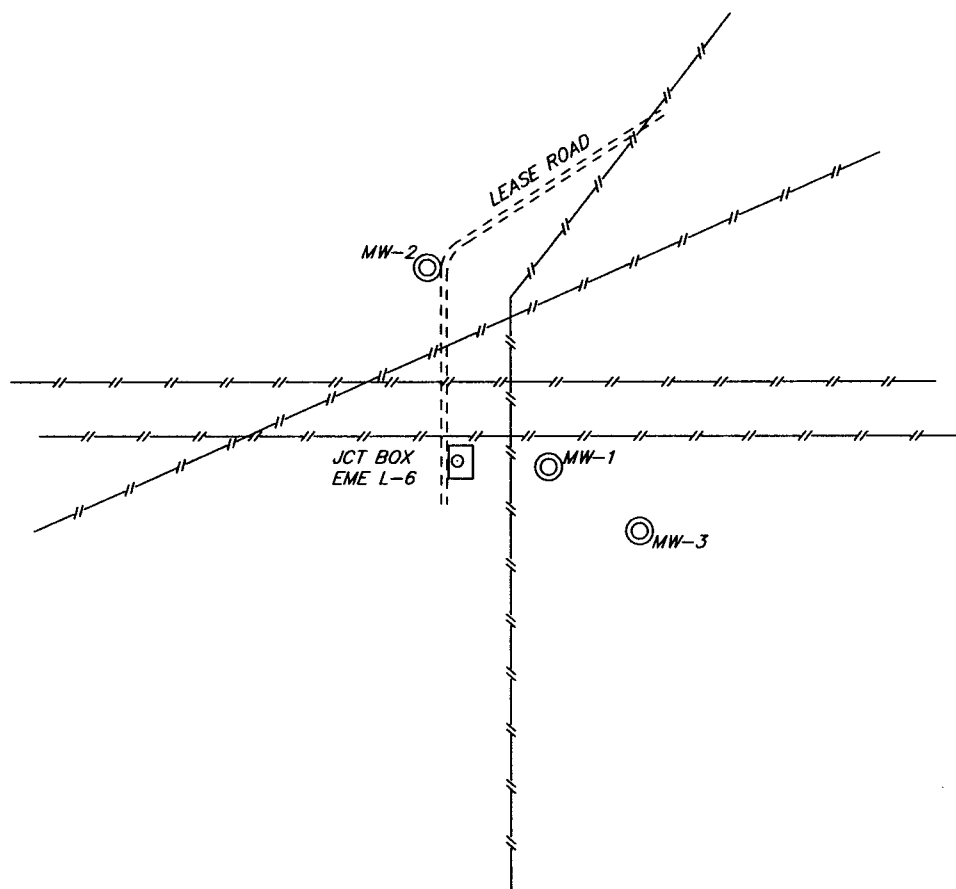
Date: 12/26/07

Disk: JLP #1 - RIC18860

Survey Date: 12/04/07

Sheet 1 of 2 Sheets

SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.,



NOTE:
ELEVATIONS ARE ON BLACK MARK
ON NORTH SIDE OF PVC CASING.

NEW MEXICO STATE PLANE COORDINATES (NAD83)

WELL	NORTHING	EASTING	LATITUDE	LONGITUDE	ELEV. PVC	ELEV. CON.	ELEV. GRND
MW-1	583323.4	860367.7	N 32°35'57.6"	W 103°17'50.6"	3570.67'	3568.14'	3567.97'
MW-2	583429.3	860302.8	N 32°35'58.7"	W 103°17'51.4"	3568.58'	3566.32'	3566.12'
MW-3	583289.3	860416.5	N 32°35'57.3"	W 103°17'50.0"	3570.94'	3568.44'	3567.43'
EME L-6	583326.7	860318.8	N 32°35'57.6"	W 103°17'51.2"	3532.06'	3529.85'	3529.68'

I HEREBY CERTIFY THAT THIS REPORT WAS PREPARED
FROM FIELD NOTES OF AN ACTUAL SURVEY AND
MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND
SURVEYS AS SPECIFIED BY THIS STATE.

GARY L. JONES

No. 7977
No. 5074

BASIN SURVEYS P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 18860 Drawn By: James Presley

Date: 12/26/07 Disk: JLP #1 - RIC18860

100 0 100 200 FEET

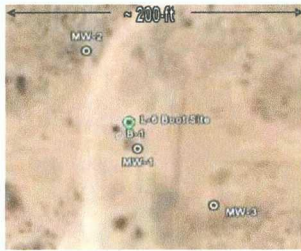
RICE OPERATING COMPANY

REF: EME L-6 BOOT

MONITOR WELL LOCATED IN
SECTION 6, TOWNSHIP 20 SOUTH, RANGE 37 EAST,
N.M.P.M., LEA COUNTY, NEW MEXICO.

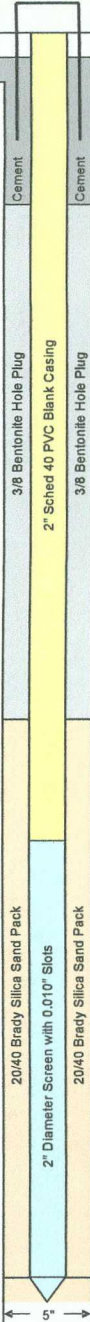
Survey Date: 12/04/07 Sheet 2 of 2 Sheets

LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

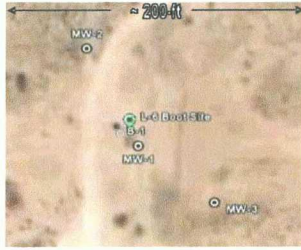


MONITOR WELL NO.: MW-1 TOTAL DEPTH: 51 Feet
 SITE ID: EME Jct. L-6 Boot CLIENT: RICE Operating Company
 CONTRACTOR: Harrison & Cooper, Inc. COUNTY: Lea
 DRILLING METHOD: Air Rotary STATE: New Mexico
 START DATE: 10/31/07 LOCATION: T20S-R37E-Sec 6-Unit L
 COMPLETION DATE: 10/31/07 FIELD REP.: G. Van Deventer
 COMMENTS: Monitoring well located approximately 15 feet southeast of former junction box (marker plate).

Sample		Chloride	PID	USCS	LITHOLOGIC DESCRIPTION:
Depth	Time	(ppm)	(ppm)		LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
				CL/CAL	Imported clay-caliche pad constructed to allow access for drilling rig.
				SW	Sandy loam (dune sand), light brown (5 YR 6/4), fine-grained, well-sorted, sub-to well-rounded grains, unconsolidated, dry.
5					
	1014	Split Spoon	93		Fine and medium-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
10					
	1018	Split Spoon	91	SM/CAL	Fine-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
15					
	1025	Split Spoon	265		Very fine and fine-grained sand, grayish orange (10YR 7/4) with some very pale orange (10YR 8/2) calcium carbonate in matrix. Sand grains are moderately well-sorted, subrounded, unconsolidated, dry.
20					
	1033	Split Spoon	513	SW/CAL	As above but only slightly calcium carbonate in matrix.
25					
	1042	Split Spoon	694		Fine-grained sand, light brown (5 YR 6/4) with slight calcium carbonate in matrix, moderately well-sorted, subrounded, unconsolidated, dry.
30					Fine-grained sand, moderate orange pink (5YR 8/4), moderately well-sorted, subrounded, unconsolidated, damp.
	1055	Split Spoon	1826	SW	Fine and medium-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry. Sample submitted for laboratory analysis with results as follows: Chloride = 4730 mg/kg
35					
	1100	Cuttings	788		Fine and medium-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
40					As above with some indurated intermittent sandstone streaks.
	1102			SW/SS	
45					As above with some indurated intermittent sandstone streaks.
	1105				
50					As above with some indurated intermittent sandstone streaks.
55					Bottom of boring at 51 ft below ground surface.

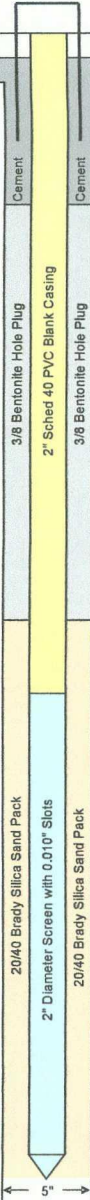


LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM

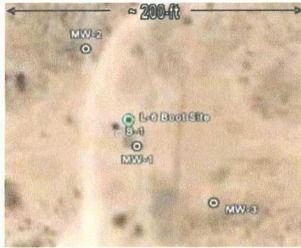


MONITOR WELL NO.: MW-2 TOTAL DEPTH: 45 Feet
 SITE ID: EME Jct. L-6 Boot CLIENT: RICE Operating Company
 CONTRACTOR: Harrison & Cooper, Inc. COUNTY: Lea
 DRILLING METHOD: Air Rotary STATE: New Mexico
 START DATE: 10/29/07 LOCATION: T20S-R37E-Sec 6-Unit L
 COMPLETION DATE: 10/29/07 FIELD REP.: G. Van Deventer
 COMMENTS: Monitoring well located approximately 100 feet northwest of former junction box (marker plate).

Sample		Chloride (ppm)	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION: LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
Depth	Type				
Surface	Surface				Sandy loam (dune sand), light brown (5YR 5/6), fine-grained, well-sorted, sub-to well-rounded grains, loose, unconsolidated, dry.
5				SW	
1205	Split Spoon	158	0		Fine and medium-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, loose, unconsolidated, dry.
10					
1210	Split Spoon	229	0		Fine-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
15				SM/CAL	
1215	Split Spoon	226	0		Fine-grained sand, grayish orange (10YR 7/4) with some very pale orange (10YR 8/2) calcium carbonate in matrix. Sand grains are moderately well-sorted, subrounded, unconsolidated, dry.
20					
1220	Split Spoon	633	0		Fine-grained sand, grayish orange (10YR 7/4) with some very pale orange (10YR 8/2) calcium carbonate in matrix. Sand grains are moderately well-sorted, subrounded, unconsolidated, dry.
25				SW	
1230	Split Spoon	228	0		Fine-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
30	Split Spoon	355	0		Fine-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
1250	Split Spoon	618	0		Fine-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, slightly moist.
40				SW/SS	As above with some indurated intermittent sandstone streaks.
45					As above with some indurated intermittent sandstone streaks.
					Bottom of boring at 45 ft below ground surface.
50					
55					



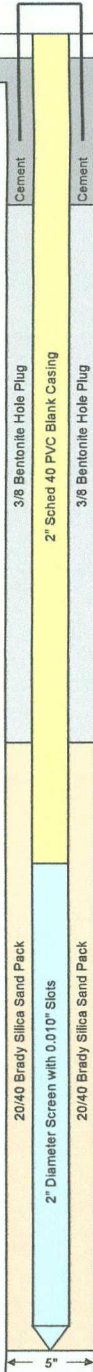
LITHOLOGIC LOG AND MONITORING WELL CONSTRUCTION DIAGRAM



MONITOR WELL NO.: MW-3
 SITE ID: EME Jct. L-6 Boot
 CONTRACTOR: Harrison & Cooper, Inc.
 DRILLING METHOD: Air Rotary
 START DATE: 10/31/07
 COMPLETION DATE: 10/31/07
 COMMENTS: Monitoring well located approximately 75 feet southeast of former junction box (marker plate).

TOTAL DEPTH: 52 Feet
 CLIENT: RICE Operating Company
 COUNTY: Lea
 STATE: New Mexico
 LOCATION: T20S-R37E-Sec 6-Unit L
 FIELD REP.: G. Van Deventer

Depth	Time	Sample Type	Chloride (ppm)	PID (ppm)	USCS	LITHOLOGIC DESCRIPTION:
						LITHOLOGY, COLOR, GRAIN SIZE, SORTING, ROUNDING, CONSOLIDATION, DISTINGUISHING FEATURES
		Surface			CL/CAL	Imported clay-caliche pad constructed to allow access for drilling rig.
5	0833	Split Spoon	358	0	SW	Fine- and medium-grained dune (loamy) sand, light brown (5YR 5/6), well-sorted, sub-to well-rounded grains, loose, unconsolidated, dry.
10	0838	Split Spoon	171	0		Fine- and medium-grained sand, light brown (5YR 5/6), well-sorted, sub-to well-rounded grains, loose, unconsolidated, dry.
15	0844	Split Spoon	609	0		Fine-grained sand, light brown (5YR 5/6), well-sorted, sub-to well-rounded grains, loose, unconsolidated, dry.
20	0853	Split Spoon	604	0	SM/CAL	Very fine and fine-grained sand, grayish orange (10YR 7/4) with some very pale orange (10YR 8/2) calcium carbonate in matrix. Sand grains are moderately well-sorted, subrounded, unconsolidated, dry. Sample submitted for laboratory analysis with results as follows: Chloride = 109 mg/kg
25	0856	Cuttings	324		SW	Fine-grained sand, light brown (5 YR 6/4), moderately well-sorted, subrounded, unconsolidated, dry.
30	0858	Cuttings	413		SW/CAL	Fine-grained sand, light brown (5 YR 6/4) with slight calcium carbonate in matrix, moderately well-sorted, subrounded, unconsolidated, dry.
35	0859	Cuttings	436		SW	Very fine and fine-grained sand, grayish orange (10YR 7/4), moderately well-sorted, subrounded, unconsolidated, dry.
40	0904				SW/CAL	Fine-grained sand, grayish orange (10YR 7/4), moderately well-sorted, subrounded, unconsolidated, slightly moist.
45	0906					Fine-and medium-grained sand, grayish orange (10YR 7/4), slight calcium carbonate content in matrix, moderately well-sorted, subrounded, unconsolidated, slightly moist.
50	0910					Fine-and medium-grained sand, grayish orange (10YR 7/4), with some indurated intermittent sandstone streaks, moderately well-sorted, subrounded, unconsolidated, slightly moist.
55					SW/SS	Fine-and medium-grained sand, grayish orange (10YR 7/4), with some indurated intermittent sandstone streaks, moderately well-sorted, subrounded, unconsolidated, slightly moist.
						Bottom of boring at 52 ft below ground surface.





ARDINAL LABORATORIES

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

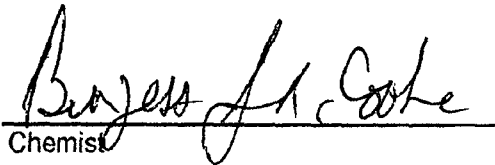
ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

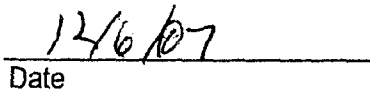
Receiving Date: 12/05/07
Reporting Date: 12/06/07
Project Number: NOT GIVEN
Project Name: EME L-6 BOOT
Project Location: T20S-R37E-SEC6 L ~ LEA COUNTY, NM

Sampling Date: 12/03/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: AB

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		12/06/07	12/06/07	12/06/07	12/06/07
H13852-1	MONITOR WELL #1	<0.001	<0.001	<0.001	<0.003
H13852-2	MONITOR WELL #2	<0.001	<0.001	<0.001	<0.003
H13852-3	MONITOR WELL #3	<0.001	<0.001	<0.001	<0.003
Quality Control		0.103	0.099	0.099	0.312
True Value QC		0.100	0.100	0.100	0.300
% Recovery		103	99	99	104
Relative Percent Difference		1.7	1.6	1.5	1.4

METHOD: EPA SW-846 8021B


Chemist


Date



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING COMPANY
ATTN: KRISTIN FARRIS-POPE
122 W. TAYLOR STREET
HOBBS, NM 88240
FAX TO: (575) 397-1471

Receiving Date: 12/05/07
Reporting Date: 12/11/07
Project Number: NOT GIVEN
Project Name: EME L-6 BOOT
Project Location: T20S-R37E-SEC6 L-LEA COUNTY, NM

Sampling Date: 12/03/07
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AB
Analyzed By: HM/KS

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (μ S/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		12/11/07	12/11/07	12/11/07	12/11/07	12/07/07	12/07/07
H13852-1	MONITOR WELL #1	7,356	1,460	514	25.5	37,100	376
H13852-2	MONITOR WELL #2	7,150	1,550	534	33.8	36,900	372
H13852-3	MONITOR WELL #3	7,235	1,660	585	29.9	37,600	328
Quality Control		NR	49.2	50.8	2.88	1,404	NR
True Value QC		NR	50.0	50.0	3.00	1,413	NR
% Recovery		NR	98.5	102	96.0	99.4	NR
Relative Percent Difference		NR	< 0.1	1.6	12.4	1.3	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
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		Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:		12/07/07	12/07/07	12/07/07	12/07/07	12/07/07	12/06/07
H13852-1	MONITOR WELL #1	12,200	4,060	0	459	6.77	27,260
H13852-2	MONITOR WELL #2	12,200	3,940	0	454	6.72	27,216
H13852-3	MONITOR WELL #3	12,800	3,810	0	400	6.74	27,078
Quality Control		500	23.4	NR	1000	7.04	NR
True Value QC		500	25.0	NR	1000	7.00	NR
% Recovery		100	93.5	NR	100	101	NR
Relative Percent Difference		< 0.1	18.0	NR	1.2	0.1	NR

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	160.1
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Kristin Supotko
Chemist

12/11/07
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

101 East Marland - Hobbs, New Mexico 88240
Tel (505) 393-2326
Fax (505) 393-2476

Cardinal Laboratories, Inc.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # _____

ANALYSIS REQUEST (Circle or Specify Method No.)

Turn Around Time ~ 24 Hours

Phone Results: Yes ☐ No ☐
Fax Results: Yes ☐ No ☐
Additional Fax Number: _____

Company Name: RICE Operating Company
Project Manager: Kristin Farris-Pope, Project Scientist
Address: (Street, City, Zip) 122 W Taylor Street ~ Hobbs, New Mexico 88240
Phone #: (505) 393-9174
Fax #: (505) 397-1471

Project Location: T20S-R37E-Sec6 L ~ Lea County - New Mexico
Project Name: EME L-6 Boot
Project #: _____
Fax #: (505) 397-1471

Sampled Signature: Rozanne Johnson (505) 631-9310
rozanne@valornet.com

LAB # (LAB USE ONLY) FIELD CODE

(G)rab or (C)omp

CONTAINERS

WATER
SOIL
AIR
SLUDGE

HCL (2 40ml VOA)
HNO₃
NaHSO₄
H₂SO₄
ICE (1-1 Liter HDPE)
NONE

DATE (2007)
TIME

MTBE 8021B/602
BTEX 8021B/602
TPH 418.1/TX1005 / TX1005 Extended (C35)
PAH 8270C
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
TCLP Pesticides
RCI
GC/MS Vol. 8260B/624
GC/MS Semi. Vol. 8270C/625
PCB's 8082/608
Pesticides 8081A/608
BOD, TSS, pH
Moisture Content
Cations (Ca, Mg, Na, K)
Anions (Cl, SO₄, CO₃, HCO₃)
Total Dissolved Solids
Chlorides

Delivered By: (Circle One) Sample - UPS - Bus - Other: _____

Received By: (Laboratory Staff) _____
Date: 12-5-07 11:50am
Time: _____

Reinquinished by: _____
Date: _____
Time: _____

Sample Condition: Yes ☒ No ☐
Cool: Yes ☒ No ☐
Initials: _____
CHECKED BY: _____
Date: 12-5-07 11:50am
Time: _____

REMARKS: _____
Email Results to: kpoppe@riceswd.com
lweinheimer@riceswd.com
rozanne@valornet.com